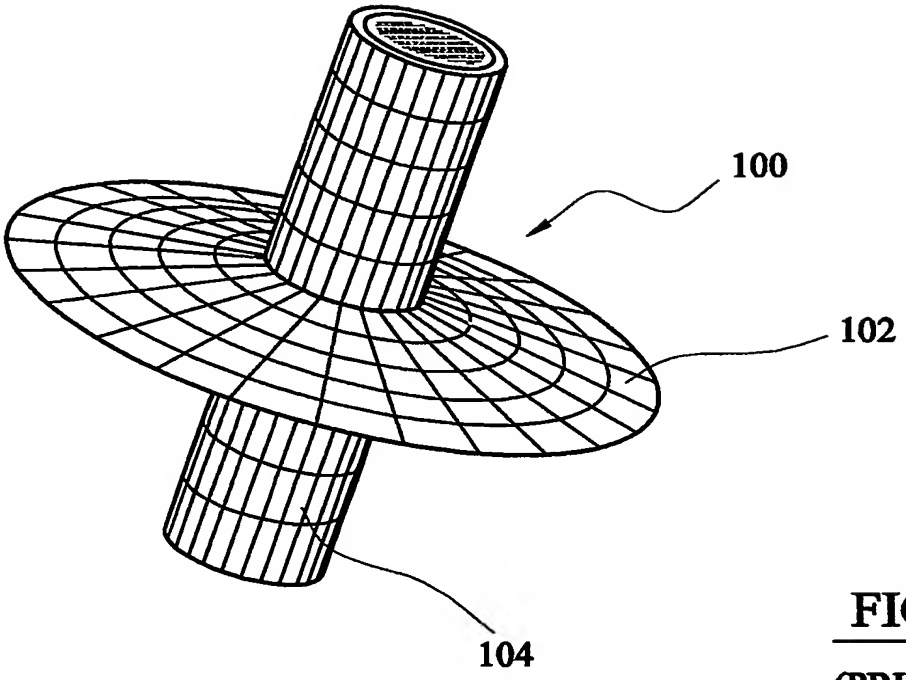



FIG. 1
(PRIOR ART)

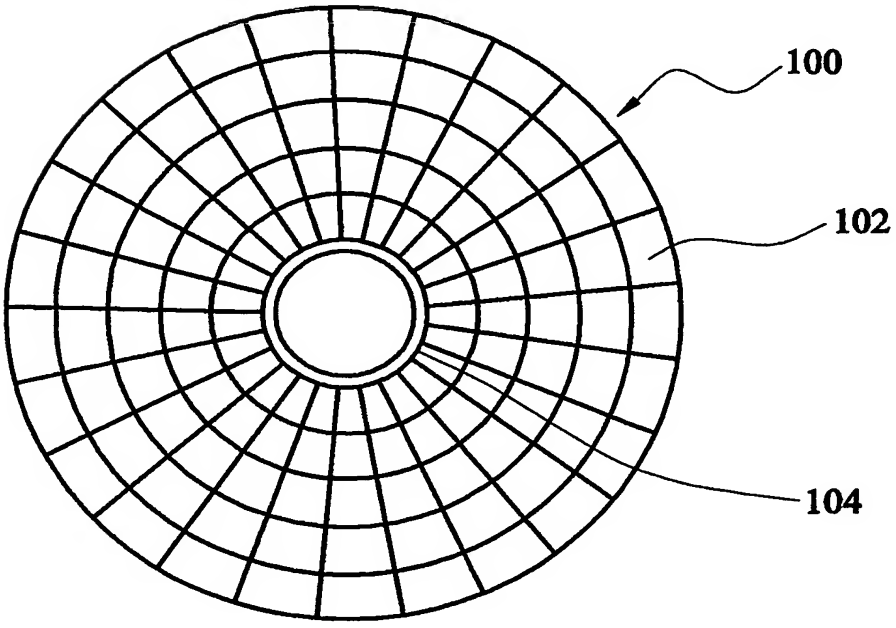



FIG. 2
(PRIOR ART)

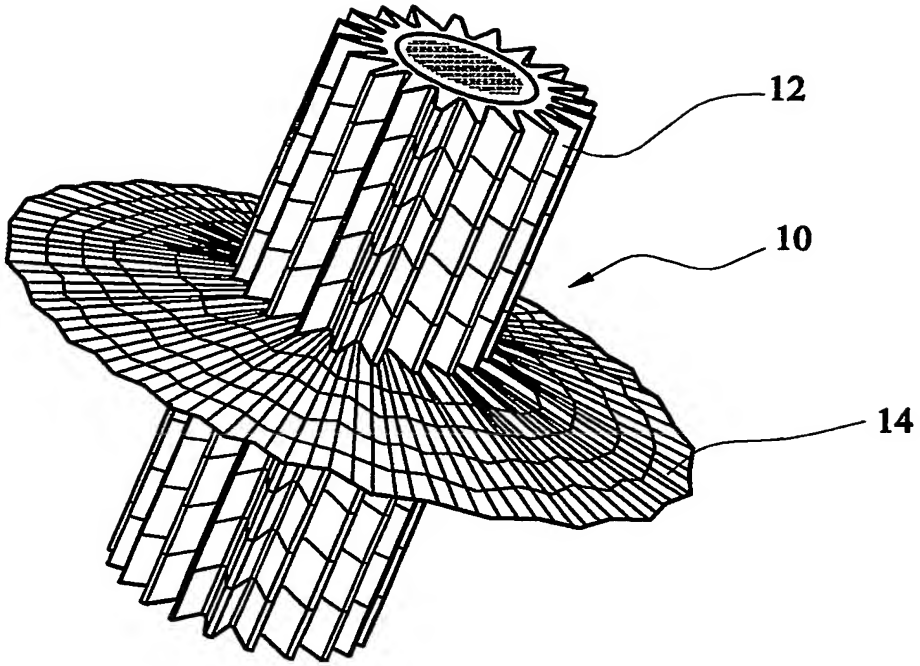



FIG. 3

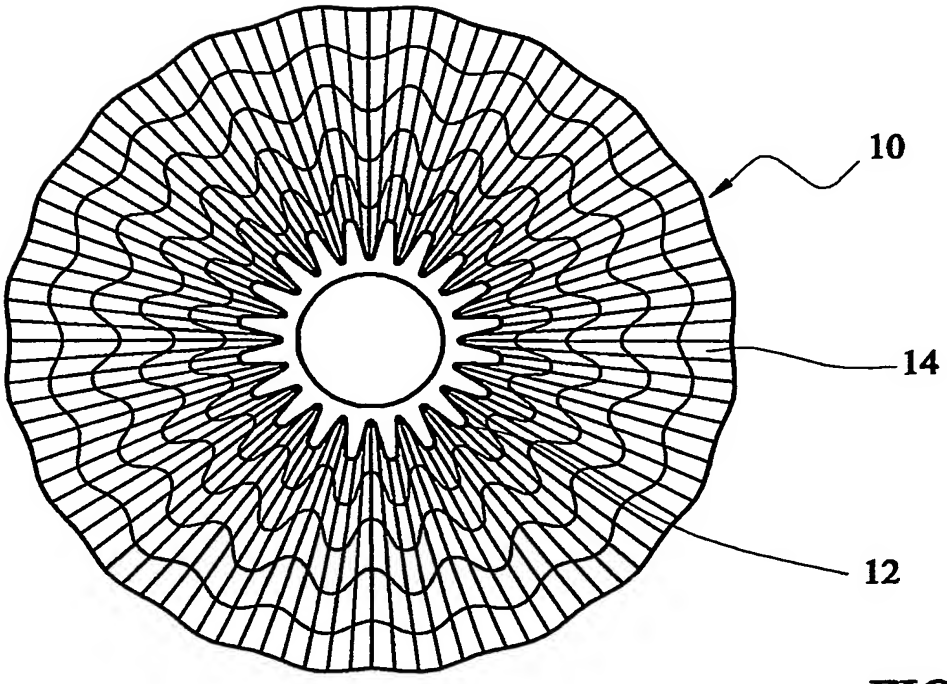
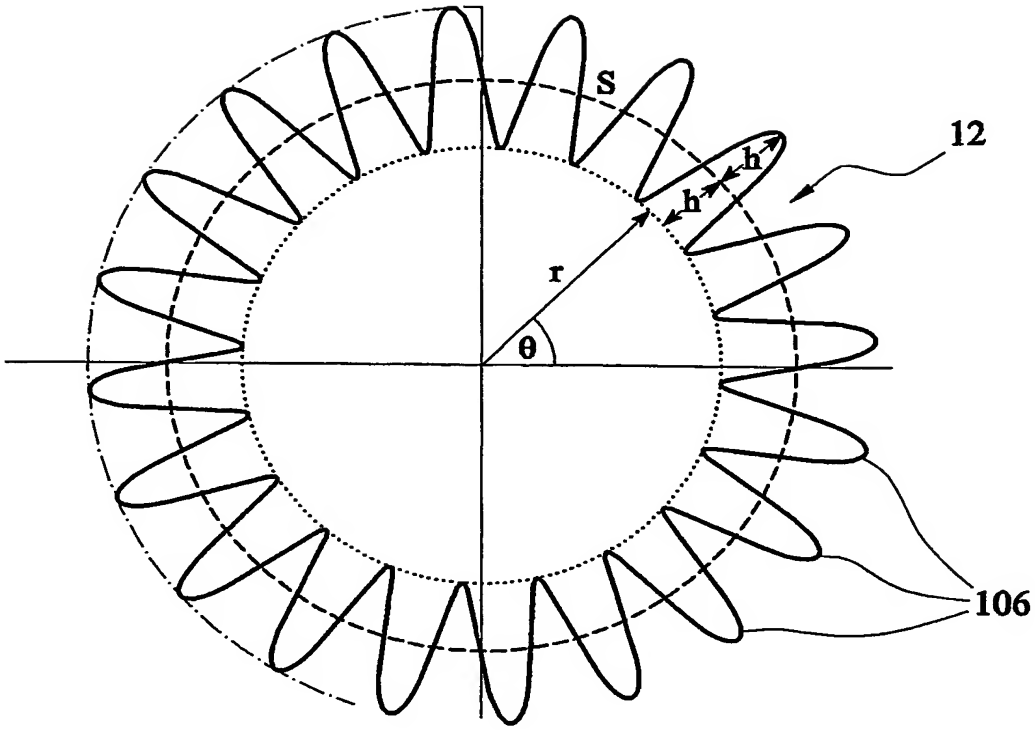



FIG. 4




where: S = total circumferential length
θ = angular distance around insulator from given starting point
r = radius of insulator at any point (based on existing insulator design)
h = amplitude of flute at given radius
and the number of flutes is designated "N"

FIG. 5

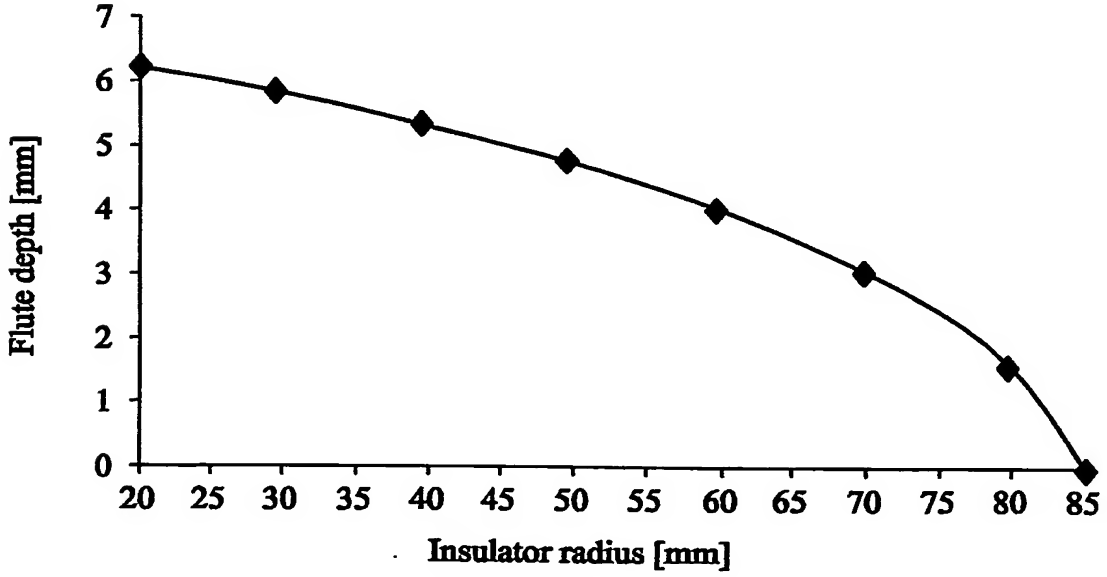



FIG. 6

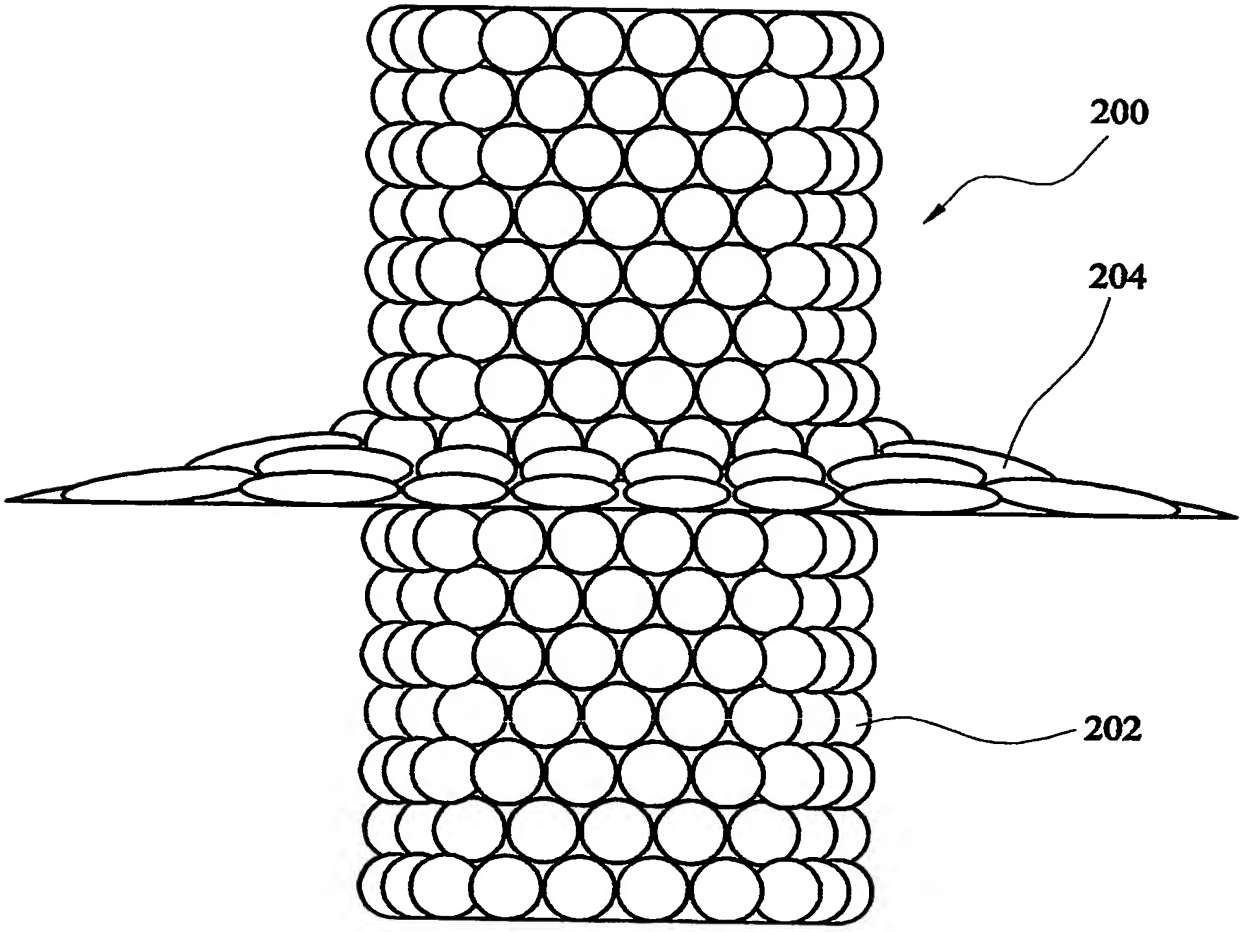



FIG. 7

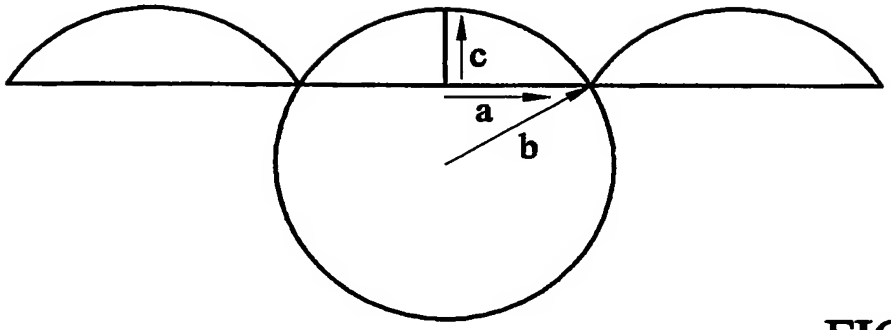



FIG. 8

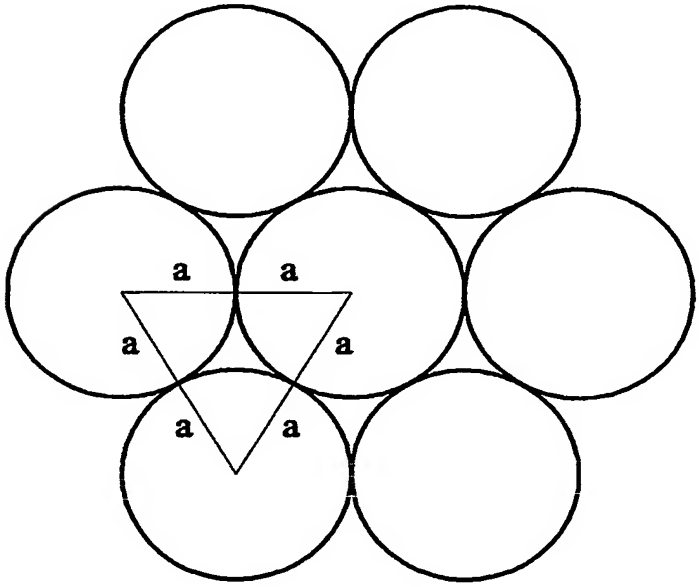



FIG. 9

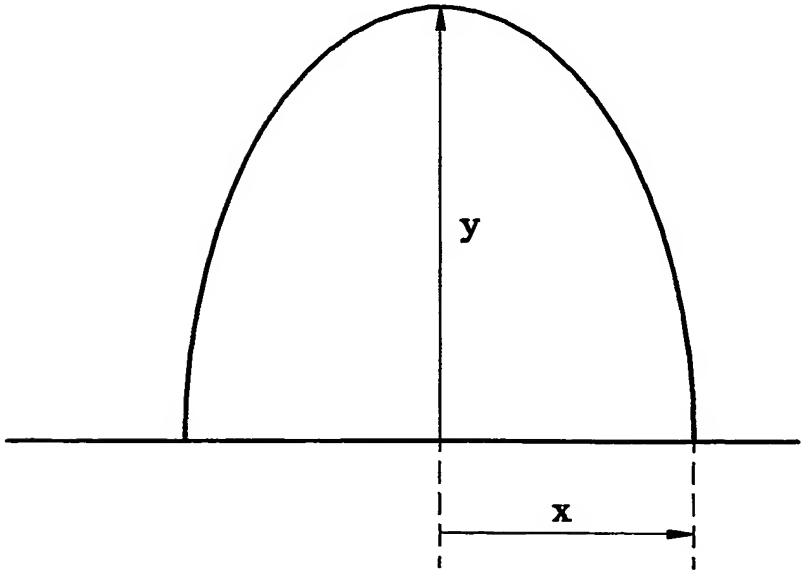



FIG. 10